

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Michael L. Dennis et al.

Title: Method And System For Dispersion Maps  
And Enhanced Distributed Gain Effect In  
Long Haul Telecommunications Using  
Distributed And Remotely Pumped Erbium-  
Based Amplification

Appl. No.: Unassigned

Filing Date: 06/26/2003

Examiner: Unassigned

Art Unit: 2661

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR § 1.56**

Mail Stop PATENT APPLICATION  
Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Applicants submit herewith on Form PTO/SB/08 a listing of the documents cited by or submitted to the U.S. PTO in parent application Serial No. 09/809,422, filed 03/16/2001. As provided in 37 CFR § 1.98(d), copies of the documents are not being provided since they were previously submitted to the United States Patent & Trademark Office in the above-identified parent application.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR § 1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

**RELEVANCE OF EACH DOCUMENT**


The relevance of the listed documents is described in the parent application.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date July 14, 2003

By 

FOLEY & LARDNER  
Customer Number: 22428



22428

PATENT TRADEMARK OFFICE

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Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: July 14, 2003 <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	Unassigned
				Filing Date	06/26/2003
				First Named Inventor	Michael L. Dennis, et al.
				Group Art Unit	2661
				Examiner Name	Unassigned
Attorney Docket Number	033337-0133				

Sheet	1	of	2
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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
		6,088,152		Berger et al.	07/11/00	
		6,163,636		Stentz et al.	12/19/00	
		6,411,408		Dennis et al.	06/25/02	
		5,969,806		Bergano	10/19/99	
		6,188,823 B1		Ma	2/13/01	
		6,141,468		Kidorf et al.	10/31/00	
		6,137,604		Bergano	10/24/00	
		6,134,033		Bergano et al.	10/17/00	
		6,081,366		Kidorf et al.	6/27/00	
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		6,310,709 B1		Bergano	10/30/01	
		6,320,884 B1		Kerfoot, III et al.	11/20/01	
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		6,292,288		Akasaka et al.	9/18/01	
		5,778,128		Wildeman	7/7/98	
		6,157,754		Sasaoka et al.	12/5/00	
		5,912,755		Bergano	6/15/99	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS
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Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
		Golovchenko, et al., "Modeling of Transoceanic Fiber-Optic WDM Communication Systems", IEEE J. Of Selected Topics in Quantum Electronics, March/April 2000	
		Gautheron, "Terabit submarine links wrap the world in fiber", Subsea Networks, pages 29-32, March 2001	
		Lewis, et al., "Low-Noise High Gain Dispersion Compensating Broadband Raman Amplifier", OFC paper TuA2-1, pages 5-7	
		Knudsen, et al., "Optimisation of dispersion compensating fibres for cabled long-haul applications", Electronics Letters, volume 36, December 7, 2000	
		Bergano, "Undersea Amplified Lightwave Systems Design", Optical Fiber Telecommunications Volume III A, Chapter 10, 1997	
		Forghieri, et al., "Fiber Nonlinearities and Their Impact on Transmission Systems", Optical Fiber Telecommunications Volume III A, Chapter 8, 1997	
		Ando, et al., "Timing Jitter Characteristics of RZ Pulse Nonlinear Transmission on Dispersion Managed Fiber Link", IEICE Trans. Fundamental, Vol. E82-A., No. 10, October 1999	
		AT&T Technical Journal, January/February 1995, Vol. 74, Number 1	

Examiner Signature		Date Considered	
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